Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/19/2019 09:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124825	-1	2.97	124951	2.92
Blue	F	SSC	125000	123869	-1	4.57	124712	4.43
Blue	E	FITC	16694	16549	-1	4.24	385	22.07
Blue	D	PE	32792	32192	-2	3.71	708	16.92
Blue	B	PerCP-Cy5-5	44451	44340	-1	5.03	1215	23.48
Blue	A	PE-Cy7	33645	33339	-1	7.41	605	47.86
Red	C	APC	47008	46342	-2	3.26	1797	13.44
Red	A	APC-Cy7	32298	31936	-2	3.15	801	14.07
Violet	B	V450	8961	8608	-4	4.99	492	15.18
Violet	A	V500	32726	31559	-4	4.75	764	12.06

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20255	5.53	609	-4	N/A	N/A	Pass
Blue	F	SSC	55850	4.01	579	11	N/A	N/A	Pass
Blue	E	FITC	63	75.85	566	3	0.0159	199	Pass
Blue	D	PE	139	59.30	569	3	0.1229	281	Pass
Blue	B	PerCP-Cy5-5	223	56.57	675	4	0.0070	37	Pass
Blue	A	PE-Cy7	119	118.97	728	2	0.0090	25	Pass
Red	C	APC	410	28.78	612	-1	0.0192	140	Pass
Red	A	APC-Cy7	197	31.64	584	-1	0.0046	1065	Pass
Violet	B	V450	77	67.95	481	-5	0.0373	2170	Pass
Violet	A	V500	109	45.06	491	-5	0.0187	1768	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.13	-32.40	1.07
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	18.25	13.60 - 20.40	N/A	N/A	29.17	29.95	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9728

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments